(to be used for	RANSMITTAL FORM all correspondence after initial filing)	Filing Date First Named Inventor Art Unit Examiner Name	S. Patent and Trademark Office; U.S. t collection of information unless it displ 09/532,001 March 21, 2000 Thomas Goodwin 1635 Karen Lacourciere	PTO/SB721 (08-03) ugh 08/30/2003. OMB-0651-0031 DEPARTMENT OF COMMERCE avs a valid OMB control number. JAN 0 6 2004 TECH CENTER 1600/20
Fee Trans Amendme A Extension Express A Information Certified of Document Response Incomplet	smittal Form ee Attached ent/Reply fiter Final ffidavits/declaration(s) n of Time Request Abandonment Request on Disclosure Statement Copy of Priority		to Technol Appeal Co of Appeals Appeal Co (Appeal No Proprietary e Address Other Enc Identify be Return Postcard	vance communication logy Center (TC) mmunication to Board and Interferences mmunication to TC tice, Brief, Reply Brief) y Information ter losure(s) (please low):
	James M. Cate NASA Johnson Space Center James J.M. Call Naculary (b), CERTIF at this correspondence is being far as first class mail in an envelope elow.	addressed to: Commissioner	SSION/MAILING PTO or deposited with the United	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE perwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Complete if Known FEE TRANSMITTAL 09/532,001 Application Number for FY 2004 Filing Date March 21, 2000 Thomas Goodwin First Named Inventor Effective 10/01/2003. Patent fees are subject to annual revision. **Examiner Name** Karen Lacourciere Applicant claims small entity status. See 37 CFR 1.27 1635 Art Unit (\$) 592.00

TOTAL AMOUNT OF PAYMENT (\$) 592.00		Attorr	ey Do	cket N	o. MSC-22859-2-CU	
METHOD OF PAYMENT (check all that apply)	Attorney Docket No. MSC-22859-2-CU FEE CALCULATION (continued)					
Check Credit card Money Other None	3. ADDITIONAL FEES					
Order Order	Large Entity Small Entity					
Denosit	Fee Code	Fee (\$)		Fee (\$)	Fee Description	Ena Daid
Account 14-0116	1051	130	2051		Surcharge - late filing fee or oath	Fee Paid
Number Deposit Notional Agrangution and Grand	1052	50	2052		Surcharge - late provisional filing fee or	
National Aeronautics and Space			l		cover sheet	
Administration The Director is authorized to: (check all that apply)	1053	130	1053 1812 2		Non-English specification For filing a request for ex parte reexamination	
Charge fee(s) indicated below	1804	2,520 920*	1804		Requesting publication of SIR prior to	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920	1004		Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	420.00
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	──
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$)	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Paid	1502	480	2502	240	Design issue fee	
Total Claims 17 -20** = 0 X 18 = 0.00	1503	640	2503	320	Plant issue fee	
Claims 5 - 3 = 2 X 00 = 172.	1460	130	1460	130	Petitions to the Commissioner	
· · ·	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	7
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 172.00	Other	fee (sp	ecify) _			
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) **or number previously paid, if greater; For Reissues, see above						

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SUBMITTED BY

James M. Cate

oras III

Name (Print/Type)

Signature

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Registration No.

25,181

(Complete (if applicable))

Date

Telephone 281-483-1001

12-16-2003